

QUARTERLY PROGRESS REPORT

Project Title:	Material Characterization and Seasonal Variation in Material Properties			
RFP NUMBER:		NJDOT RESEARCH PROJECT MANAGER: Mr. Tony Chmiel		
TASK ORDER NUMBER/Study Number: Task Order No. 100 / 4-26701		PRINCIPAL INVESTIGATOR: Dr. Nenad Gucunski		
Study Start Date: Study End Date:	01/01/2001 12/31/2004	Period Covered: 3rd Quarter 2003		

Task	% of Total	% of Task	% of Task to	% of Total
		this quarter	date	Complete
Selection of Test Sections	5	0	100	5
Field Testing & Instrumentation	50	15	80	32.5
Analysis	35	10	45	15.8
Reporting	10	10	40	4
TOTAL	100%			57.3

1. Progress this quarter by task:

The FWD Testing and Climatic data collection at the instrumented LTPP and non-LTPP sites and corresponding office processing continued during the reporting period.

- > The FWD and SPA testing proceeded as scheduled, except the July FWD testing on I195E, July SPA testing on I195W and all of August SPA testing. The SPA testing was not conducted due to multiple failures and repairs of the high frequency hammer load cell and one of the geophones.
- 2. Climatic Data was collected for all the LTPP and Non-LTPP sites in April. Data from the non-LTPP Sites 1, 3 and 5 have been collected till August 15, 2003.
- 3. Office Processing of the June and July 2003 climatic data in terms of QC/QA have been completed and is in progress for the August 2003 reporting period.
- 4. Processing of FWD data for the reporting period is in progress.
- 5. A correlation analysis is being carried out to determine the effects, if any, of daily temperature changes on pavement response parameters. FWD, SPA and climatic data from the 24 hour testing carried out on the rigid pavement from Non-LTPP Site 6 is being used for the purpose.
- 6. New MRC probes in the pavement surface at Non-LTPP Sites 3 and 7 have been received and the old ones replaced.
- 7. Two malfunctioning Campbell Scientific CR-10 data loggers were replaced with two new CR-10X data loggers.
- 8. Laboratory evaluation of all recovered materials completed and the report prepared.
- 2. Proposed activities for next quarter by task:
 - Continue the regular FWD/SPA testing for the non-LTPP sites.
 - Continue the regular FWD/SPA testing on the LTPP sites.
 - Continue analysis on the FWD and SPA data.
- 3. List of deliverables provided in this quarter by task (product date)

Department of Civil and Environmental Engineering 623 Bowser Rd. Piscataway NJ 08854-8014 Tel: 732-445-0579 Fax: 732-445-0577 Report on laboratory evaluation of soil base materials and AC cores.

4. Progress on Implementation and Training Activities

N/A

5. Problems/Proposed Solutions

N/A

6. Budget Summary*

2		
Total Project Budget(# of years)	3 Years	\$1,695,894.00
Total Project Expenditure to date		\$1,202,214
% of Total Project Budget Expended	71%	
Task Order Number/Study Number:		100 / 4-26701
Current Task Order Budget (# of years)	Year 1, 2, and 3	\$1,695,894.00
Actual Expenditure to date against current task order		\$1,202,214
% of current task order budget expended	71%	

^{*} These are approximate expended amounts for the project; these estimates are forreference only and should not be used for official accounting purposes. For a more accurate project accounting please review the quarterly invoice for this project.